TABLE 5

COMPUTATION FOR POINTS ON HEAT CAPACITY CURVES SHOWING THE EFFECTS OF PREHEATING GAS, AIR SUPPLY AND BOTH THE GAS AND THE AIR SUPPLY

The numerical values used are obtained from Tables 3 and 4, and are combined as indicated.

Temperature of Preheat	0°	200°	400°	600°	800°	1000°	1200°	
Calories Released Gas (A)	2254	*145*	*308*	*441*	*623*	*811*	*995*	60% air
A+B		2399	2562	2695	2877	3065	3249	points
(Z»		*137*	*278*	*425*	*57 S*	*732*	*893*	
A+D*=E		2391	2532	2679	2827	2986	3147	points
C+D		253(3	2840	3120	3450	3797	4140	points
F B + F**G S	•31	3179	3432	3565	3747	3935	4109	80% air points
. H		*183*	*371*	*566*	*765*	*976*	*1189*	
F~|-η		3307	3495	3690	3889	4100	4213	points
G-{-H		3362	3803	4131	4612	4911	5298	points
I J	3888	4033	4196	4329	4511	4699	4883	100% air points
K		*228*	*463*	*708*	*956*	*1220*	*I486*	
Ii-K		4116	4351	4596	4844	5108	5374	points
/-f/C		4261	4659	5037	5467	5919	6363	points
L		*274*	*556*	*850*	*1147*	*1404*	*1784*	120%
J=L		4162	4442	4738	5035	5352	5672	air
S		4307	4752	5179	5658	6163	6667	points
J-f-L								points
M		*320*	*648*	*991*	*1888*	*1708*	*2081*	140*2
tf+ı		4208	4536	4879	5226	5596	5969	air
2		4353	4844	5320	5849	6407	6952	points
I-f M								points
JV		*411*						180%
tf+J		4299	*834*	*1274*	*1721*	*2107*	*2676*	air
S			4722	5162	5609	6085	6564	points
N+J		4444	5030	5603	6232	6896	7559	points
V								
P		*594*	*1204*	*1840*	*%485*	*3178*	*3865*	260%
P+I		4482	5092	5728	6373	7061	7753	air
2		4627	5400	6169	6996	7872	8748	points
P+I								points
0		*776*	*1575*	*2407*	*3251*	*4149*		$40%
0-fJ		4064	5463	6295	7139	8037		air
S		4809	5771	6736	7762	.9032		points
0-f/								points
ft		*959*	*1946*	*&97S*	*4015*	*5126*		*420%*
72+1		4847	5833	6861	7904	8914		air
S		4992	C141	7302	8526	9825		points
R+I								Opoints
S		*1140*	*2S%1*	*Sf(Sf)*	*4774*	*6094*		*500%*
fl-fl		.5028	6209	7423	8662	10082		air
S		5173	6517	8046	9285	10793		points
S+I								points

Those computations have been carried out to obtain limiting values on the curves.